

ABSTRACT OF THE DISCLOSURE

An initial synchronization method in a DS-CDMA inter-base station asynchronous cellular scheme of transmitting a spreading code sequence, includes: a first stage that detects correlation power values between the common identification code and a received signal by using a correlator and performs a threshold determination; a second stage that detects a correlation value between the received signal and each long code group identification short code, sets a group having a maximum correlation sum as a group, detects a slot in which a head of the pattern is obtained as a start slot of a frame, and compares an arbitrarily set threshold with the maximum correlation sum; and a third stage that sequentially generates replica codes of long codes and short codes, performs correlation detection for the obtained synchronization timing, and performs long code correlation detection.

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